

FIG. 1

10040176.102501

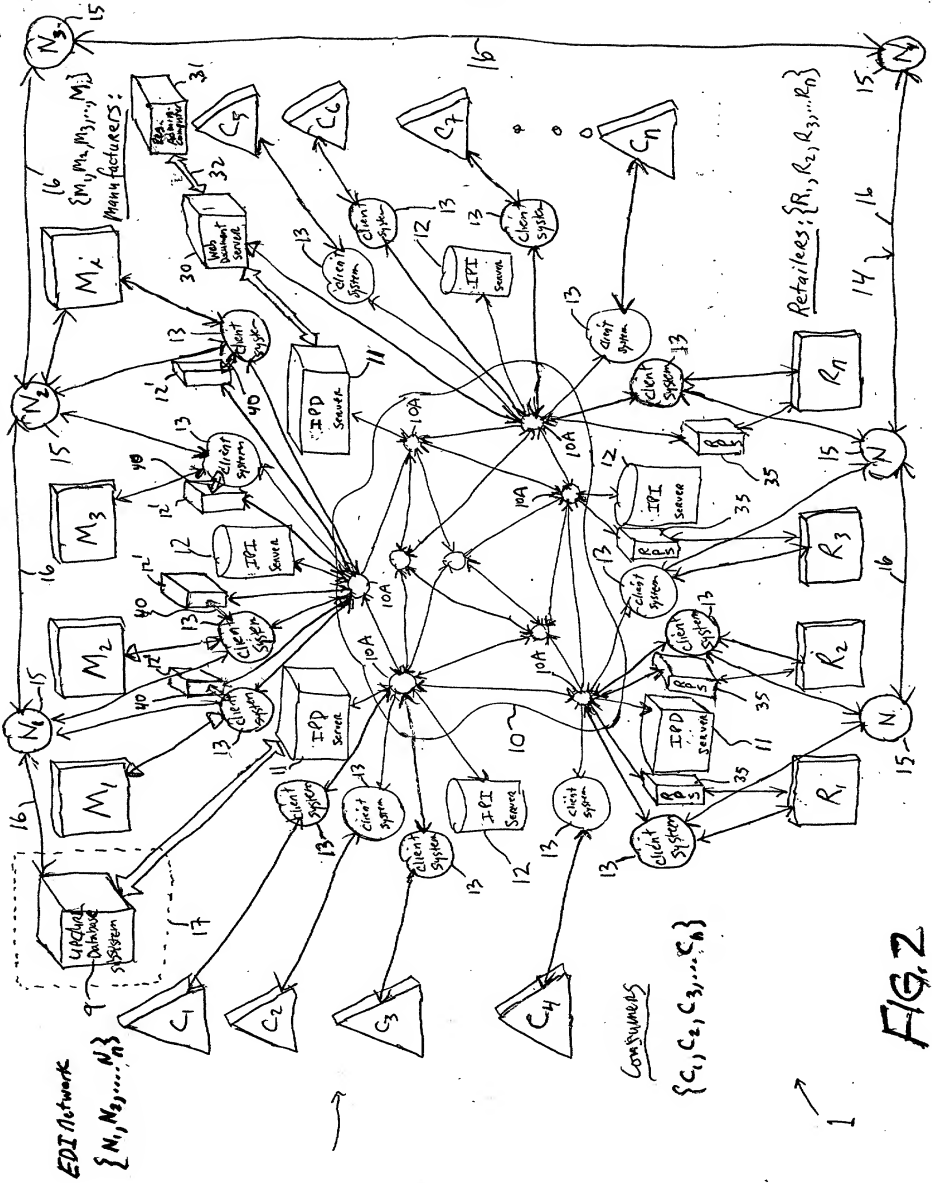


FIG. 2

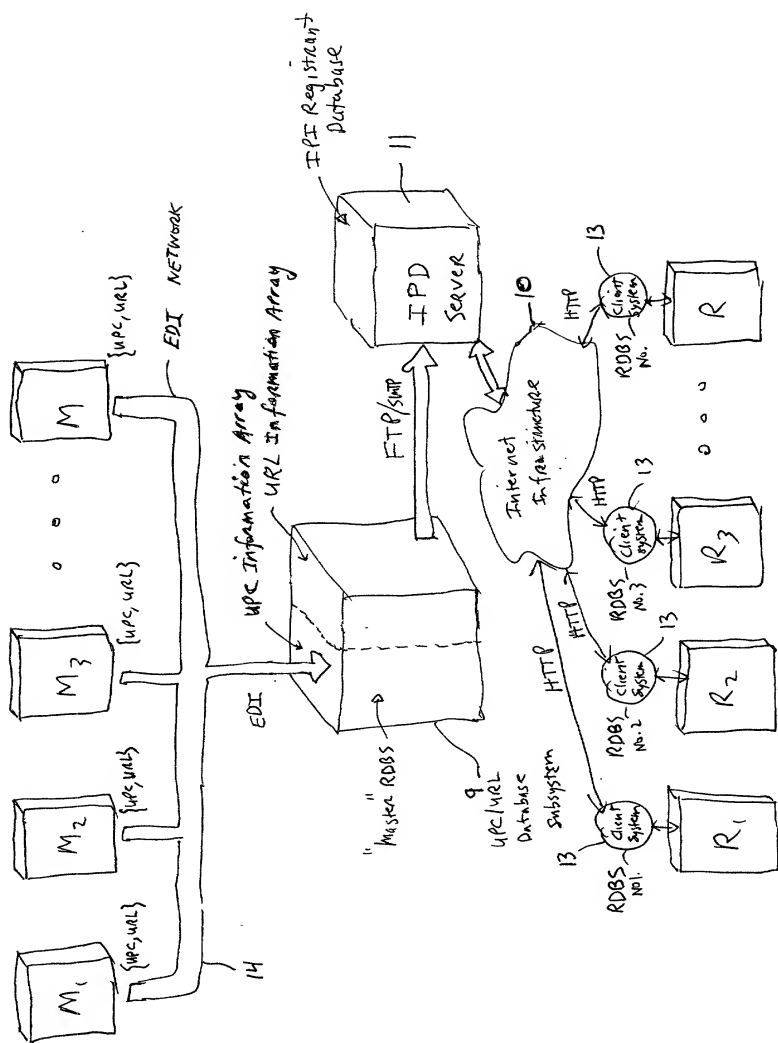
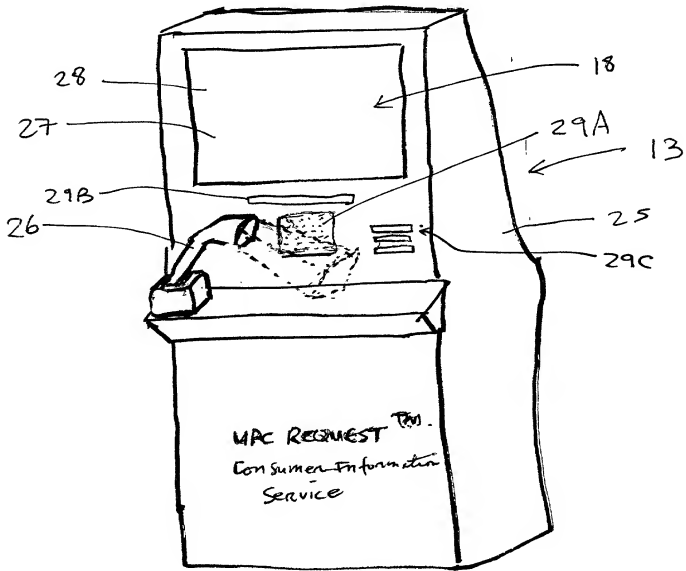
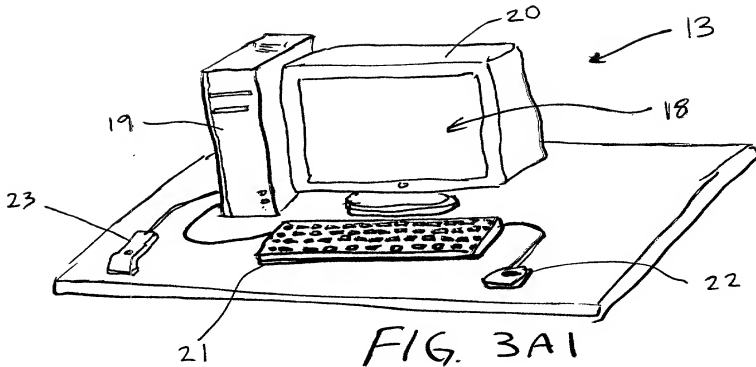
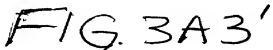
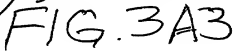


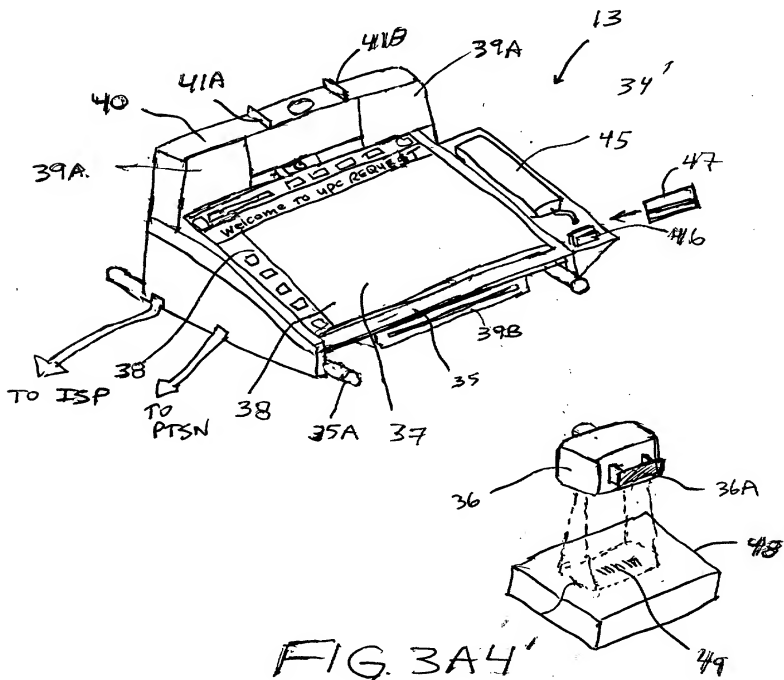
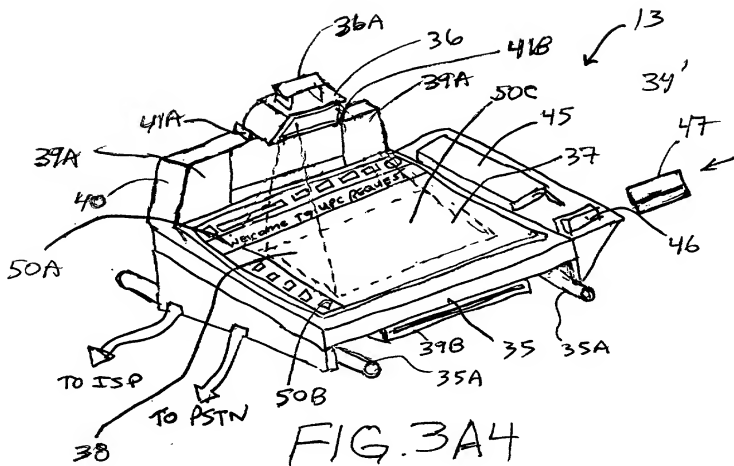
FIG 2A

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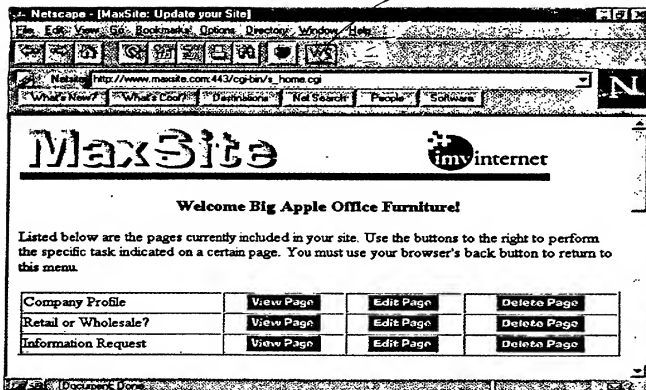


FIG. 3B

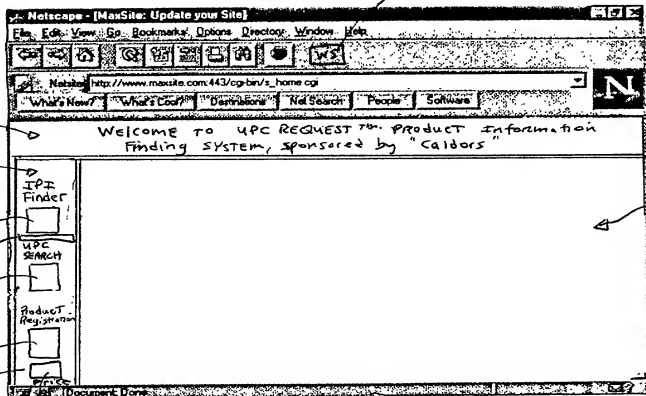


FIG. 3C

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I P/S N	Registrant's Name	Product Description	Uniform Resource Locator (URL)	Trade/Source Marks	E-Mail Address	Status
7/18703/17674/0	Apple Computer, Inc. Cupertino, Calif.	Power Mac 7000/120 Personal Computer	http://www._____/	Power Mac.		
0/373/100/6	Picher & Gamble	Toothpaste	http://www._____/	Crest		
3/12547/68400/0	Warner Bros. Inc.	acid reducer	http://www._____/	Zentac, Zentac 75		
0/00005/17643/4	Kodak, Inc.	Film Processing	http://www._____/	Kodak		
0/27242/1057/9	Sony, Inc.	Personal Computer	http://www.Sony.com/pc	Sony		

Information structure of Relational
Data base Realized above
ITS directory server

FIG. 4A1

11 Subfield Structure of UAL Information Field
of IPST Database "

URL _i	Product specifications information Field	Product update information Field	Product variety/selling information Field	Product incentive information Field	Product Review information Field	Miscellaneous information Field	Product Advertising information Field
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.
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FIG. 4A2

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I/P/S N	Registrants NAME.	Product DESCRIPTION	Traffic/service MARKS	E-mail Address	Status
7/05891/3746/07	Netscape Communication Corp.	Internet Navigator	Netscape Navigator		.
0/30000/01020/4	Buelker INC.	Oatmeal	Dialer		.
0/461390/11	Coca Cola, Inc	Soda Soda Colce	Coca-Cola, colce		.
0/7549/24245/2	Hannell Bros.	Pet Methany Andio CD	Geffen		.
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Information structure of Relational
Data base Realized as a
IFS Directory Server

FIG. 4B

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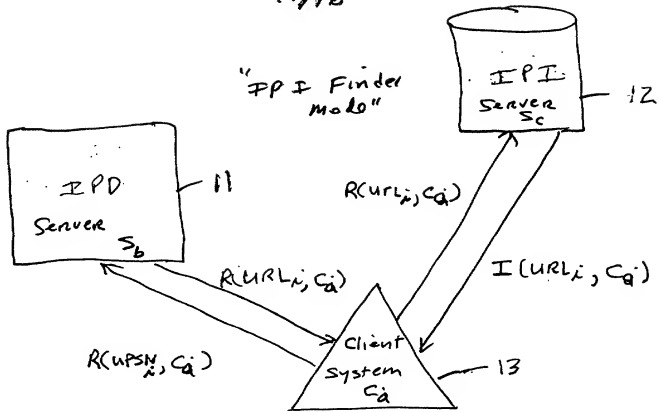


FIG. 5A

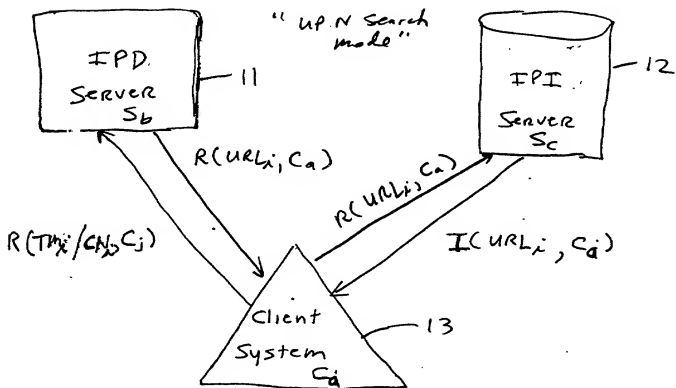
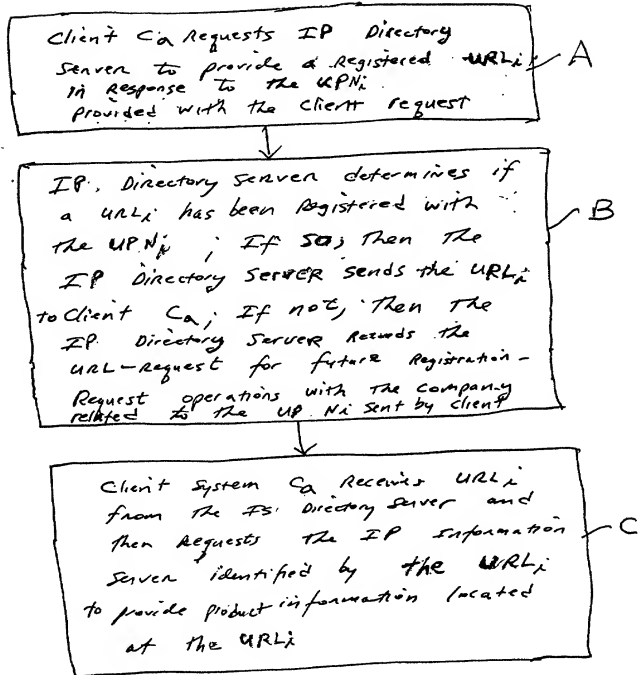


FIG. 5B

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"IP I. Finder Mode"
(Fig. 5A)

FIG. 6A

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Client System C_a Requests IP Directory to provide a Registered URL_i in response to a trademark and/or company name (TM_i) provided with the client request

A

IP Directory Server determines if a URL_i has been registered with the TM_i; if so, then the IP Directory Server sends the URL_i to client C_a; if not, then the IP Directory server records the URL-Request for future registration-request operations with the company related to the TM_i sent by client system C_a

B

Client System C_a receives URL_i from the IP Directory Server and then requests the IP Information server identified by the URL_i to provide product information located at the URL_i

"UP N Search Mode"

(As.5a)

FIG. 6B

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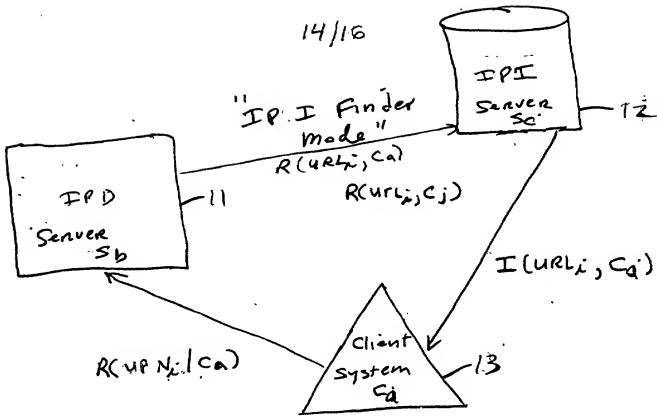


FIG. 7A

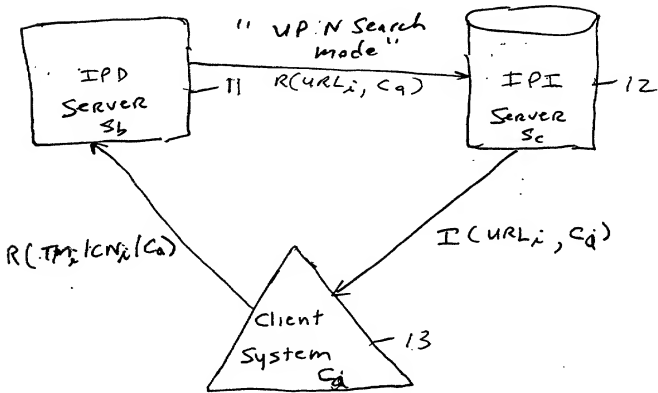


FIG. 7B

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Client C_a requests IP Directory Server to provide a Registered URL_i in Registered URL_i in response to the UP_Ni provided with the client request

A

IP Directory Server determines if a URL_i has been registered with the UP_Ni ;
If so, then the IP Directory Server sends the IP Information Server hosting the URL_i a request for the IP Information Server to send product information at the URL_i to the client system C_a ; If not, then the IP Directory Server records the URL-request for future registration-request operations with the company related to the UP_Ni sent by the client system C_a

B

The IP Information Server receives the URL_i from the IP Directory Server and then provides the product information identified by the URL_i to the client system C_a

C

"If I Findor Made"

(Fig. 7A)

FIG. 8A

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Client C_i requests IP Directory Server to provide a registered URL_i in response to a trademark, service mark and/or company (TM_i) provided with the client request

IP Directory Server determines if a URL_i has been registered with the TM_i; if so, then the IP Directory Server sends the IP Information Server hosting the URL_i , a request for the IP Information Server to send product information at the URL_i to the client system C_i ; if not, then the IP Directory Server records the URL-request for future registration-request operations with the company related to the UPN_i sent by the client system C_i .

The IP Information Server hosting the URL_i receives the request from the IP Directory Server and then provides the product information identified by the URL_i to the client system C_i

"UP-N Search Mode"

(Fig. 7B)

FIG. 8B